230 (9)

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

Est Cost = 50.00 L

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the work: Developments and Improvements to Parks in CQAL layout and Sahakaranagara in Ward No.8, Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	429.38	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, as per drawing and technical specification. (P.No.7, I.No.2.24 of PW, P&IWTD SR 2016-17)	Cum	72.08	Rupees Seventy Two and Eight Paise Only
2	1352.13	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305(P.No.148, I.No.19.60 of PW, P&IWTD SR 2016-17)	Cum	320.12	Rupees Three Hundred Twenty and Twelve Paise Only
3	695.00	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.(P.No.109, I.No.14.62 of PW,P&IWTD S.R 2016-17))	Sqm	1150.10	Rupees One Thousand One Hundred Fifty and Ten Paise Only
4	1922.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	Nos	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only
5	425.25	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	63.60	Rupees Sixty Three and Sixty Paise Only
6	40.98	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17)	cum	5598.92	Rupees Five Thousand Five Hundred Ninety Eight and Ninety Two Paise Only

Nil & corrections - Nil

E.E. (BTP DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
7	14.15	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
8	40.00	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202 (P.No.139, I.No.18.54 of PW,P&IWTD S.R 2016-17)	Sqm	44.52	Rupees Forty Four and Fifty Two Paise Only
9	40.00	Supplying and fixing M.S.Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead and lifts and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved qulaity paint over one coat of shop painting.(excluding cost of earth work and concrete) (P.No.262, I.No.37.2 of PW,P&IWTD S.R 2016-17)	mtr	868.14	Rupees Eight Hundred Sixty Eight and Fourteen Paise Only
10	84.00	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint.(P.No.262, I.No.37.3 of PW,P&IWTD SR 2016-17)	sqm	698.54	Rupees Six Hundred Ninety Eight and Fifty Four Paise Only
11	80.00	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint..(P.No.262, I.No.37.4 of PW,P&IWTD SR 2016-17)	mtr	343.44	Rupees Three Hundred Forty Three and Forty Four Paise Only
12	24.00	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should bethoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification(P.No.42, I.No7.37 of PW,P&IWTD S.R 2016-17))	sqm	3238.30	Rupees Three Thousand Two Hundred Thirty Eight and Thirty Paise Only
13	514.00	KSRRB M800-7. Painting:-Providing and applying two coats of ready-mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 Painting on Steel Surface(P.No.184, I.No24.8.1 of PW,P&IWTD S.R 2016-17))	sqm	58.30	Rupees Fifty Eight and Thirty Paise Only

No corrections -Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
14	45.00	Providing and making precast seating arrangement including excavation laying pcc M15, providing laying M20 concrete for pedestal and seating slab, fixing of seating slab including all necessary bolt and nuts etc, complete and as per the directions of Engineer in-Charge. (Data Rate)	Nos	2493.00	Rupees Two Thousand Four Hundred Ninety Three Only
15	6.00	Providing Rainwater harvesting pits for Drains	Each	21000.00	Rupees Twenty One Thousand Only

No of corrections-Nil

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

(10)

Est Cost : 70.00 L

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the work: Improvements to Road, Drain and Footpath in main and cross roads of kodigehalli in Ward No. 8, Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	1.80	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.136, I.No.18.20 of PW.P&IWTD SR 2016-17)	Cum	466.2	Rupees Four Hundred Sixty Six and Twenty Paise Only
2	424.58	Removing and Resetting of Footpath Slab	Sqm	132.50	Rupees One Hundred Thirty Two and Fifty Paise Only
3	604.40	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
4	1212.99	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3	Cum	192.92	Rupees One Hundred Ninety Two and Ninety Two Paise Only
5	57.99	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1. 4.2	Cum	5348.76	Rupees Five Thousand Three Hundred Forty Eight and Seventy Six Paise Only
6	141.38	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.258, I.No.37.59.2 of PW, P&IWTD SR 2016-175)	Cum	11032.48	Rupees Eleven Thousand Thirty Two and Forty Eight Paise Only
7	7.20	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	Tonnes	59413.00	Rupees Fifty Nine Thousand Four Hundred Thirteen Only
8	151.10	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick	Sqm	825.74	Rupees Eight Hundred Twenty Five and Seventy Four Paise Only
9	29.36	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13.	Cum	4438.22	Rupees Four Thousand Four Hundred Thirty Eight and Twenty Two Paise Only

No of corrections - Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
10	58.00	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.25, I.No.5.26.2 of PW, P&IWTD SR 2016-17)	Sqm	961.42	Rupees Nine Hundred Sixty One and Forty Two Paise Only
11	65.25	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	102.82	Rupees One Hundred Two and Eighty Two Paise Only
12	6.53	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
13	626.93	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1698.00	Rupees One Thousand Six Hundred Ninety Eight Only
14	168.75	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	4764.00	Rupees Four Thousand Seven Hundred Sixty Four Only
15	644.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	Nos	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only
16	101.50	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	63.60	Rupees Sixty Three and Sixty Paise Only
17	15.40	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301	Cum	154.76	Rupees One Hundred Fifty Four and Seventy Six Paise Only
18	12.84	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406	Cum	1768.08	Rupees One Thousand Seven Hundred Sixty Eight and Eight Paise Only

NIL of corrections - NIL

E.E. (B.P. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
19	51.34	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
20	4261.56	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5	Sqm	3.18	Rupees Three and Eighteen Paise Only
21	4691.84	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5	Sqm	11.66	Rupees Eleven and Sixty Six Paise Only
22	44.26	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507	Cum	6435.26	Rupees Six Thousand Four Hundred Thirty Five and Twenty Six Paise Only
23	169.82	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509	Cum	7270.54	Rupees Seven Thousand Two Hundred Seventy and Fifty Four Paise Only
24	259.20	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	542.72	Rupees Five Hundred Forty Two and Seventy Two Paise Only

No corrections-No

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

(6)

2017

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

Est Cost - 7a.00 L

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the work: Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 1st Stage in Ward No.8, Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	831.60	Removing and Resetting of Footpath Slab	Sqm	132.50	Rupees One Hundred Thirty Two and Fifty Paise Only
2	805.12	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH / Chapter 3	Cum	192.92	Rupees One Hundred Ninety Two and Ninety Two Paise Only
3	75.66	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5348.76	Rupees Five Thousand Three Hundred Forty Eight and Seventy Six Paise Only
4	2.00	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications Specifcation No KBS 4.6.2	Sqm	244.86	Rupees Two Hundred Forty Four and Eighty Six Paise Only
5	14.40	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2	Sqm	310.58	Rupees Three Hundred Ten and Fifty Eight Paise Only
6	3.20	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams.	Cum	6231.74	Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only
7	85.05	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.258, I.No.37.59.2 of PW, P&IWTD SR 2016-175)	Cum	11032.48	Rupees Eleven Thousand Thirty Two and Forty Eight Paise Only

Nil Corrections - Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
8	4.09	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	Tonnes	59413.00	Rupees Fifty Nine Thousand Four Hundred Thirteen Only
9	1526.40	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
10	632.40	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick	Sqm	825.74	Rupees Eight Hundred Twenty Five and Seventy Four Paise Only
11	198.00	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(P.No.25, I.No.5.26.2 of PW, P&IWTD SR 2016-17)	Sqm	961.42	Rupees Nine Hundred Sixty One and Forty Two Paise Only
12	11.14	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1. 4.2	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
13	207.90	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1698.00	Rupees One Thousand Six Hundred Ninety Eight Only
14	18.00	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	4764.00	Rupees Four Thousand Seven Hundred Sixty Four Only
15	1444.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift transportation etc complete	Nos	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only
16	227.50	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	63.60	Rupees Sixty Three and Sixty Paise Only

No corrections - Nil

E.E. (BTP DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
17	186.00	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301	Cum	154.76	Rupees One Hundred Fifty Four and Seventy Six Paise Only
18	172.50	KSRRB M300-59.1. Loosening of the ground upto a level of 500mm below the subgrade level, watered, graded and compacted in layers to meet requirement of Table 300-2 for subgrade construction complete as per specifications. Case-l:Compacting original ground supporting subgrade, (which includes watering charges & compaction by vibratory roller) MORTH Specification No. 305.3.4(P.No.149, I.No.19.65 of PW,P&IWTD S.R 2016-17)	cum	55.12	Rupees Fifty Five and Twelve Paise Only
19	575.00	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3(P.No.149, I.No.19.64 of PW,P&IWTD S.R 2016-17)	Sqm	5.30	Rupees Five and Thirty Paise Only
20	80.00	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406	Cum	1768.08	Rupees One Thousand Seven Hundred Sixty Eight and Eight Paise Only
21	320.00	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
22	3935.50	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5	Sqm	3.18	Rupees Three and Eighteen Paise Only
23	7170.20	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5	Sqm	11.66	Rupees Eleven and Sixty Six Paise Only
24	120.24	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507	Cum	6435.26	Rupees Six Thousand Four Hundred Thirty Five and Twenty Six Paise Only

No of corrections - Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
25	190.62	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509	Cum	7270.54	Rupees Seven Thousand Two Hundred Seventy and Fifty Four Paise Only
26	104.00	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	542.72	Rupees Five Hundred Forty Two and Seventy Two Paise Only
27	100.20	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregate	cum	5508.82	Rupees Five Thousand Five Hundred Eight and Eighty Two Paise Only
28	668.00	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.174. I.No.22.	Sqm	95.40	Rupees Ninety Five and Forty Paise Only
29	36.00	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bit	Rmtr	121.90	Rupees One Hundred Twenty One and Ninety Paise Only

No Corrections AH

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

204 (2)

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

Rs: 7000/-

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of the work: Improvements to Road,Drain and Footpath in Main Road and abutting Cross Roads of Maruthinagara 2nd Stage in Ward No.8, Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	40.00	KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (P.No.136, I.No.18.20 of PW,P&IWTD SR 2016-17)	Cum	466.2	Rupees Four Hundred Sixty Six and Twenty Paise Only
2	108.00	Removing and Resetting of Footpath Slab	Sqm	132.50	Rupees One Hundred Thirty Two and Fifty Paise Only
3	908.35	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3	Cum	192.92	Rupees One Hundred Ninety Two and Ninety Two Paise Only
4	53.20	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1. 4.2	Cum	5348.76	Rupees Five Thousand Three Hundred Forty Eight and Seventy Six Paise Only
5	779.70	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick	Sqm	825.74	Rupees Eight Hundred Twenty Five and Seventy Four Paise Only
6	1203.30	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
7	50.40	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.258, I.No.37.59.2 of PW, P&IWTD SR 2016-175)	Cum	11032.48	Rupees Eleven Thousand Thirty Two and Forty Eight Paise Only
8	2.27	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	Tonnes	59413.00	Rupees Fifty Nine Thousand Four Hundred Thirteen Only

No corrections - N.I

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
9	27.20	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
10	144.00	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1698.00	Rupees One Thousand Six Hundred Ninety Eight Only
11	1289.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	Nos	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only
12	203.00	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	63.60	Rupees Sixty Three and Sixty Paise Only
13	144.00	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301	Cum	154.76	Rupees One Hundred Fifty Four and Seventy Six Paise Only
14	128.50	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406	Cum	1768.08	Rupees One Thousand Seven Hundred Sixty Eight and Eight Paise Only
15	480.00	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
16	5896.00	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5	Sqm	3.18	Rupees Three and Eighteen Paise Only
17	6958.00	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5	Sqm	11.66	Rupees Eleven and Sixty Six Paise Only

No corrections - Nil

E.E. (BTP. DIV)

202 194

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
18	159.23	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507	Cum	6435.26	Rupees Six Thousand Four Hundred Thirty Five and Twenty Six Paise Only
19	255.04	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509	Cum	7270.54	Rupees Seven Thousand Two Hundred Seventy and Fifty Four Paise Only
20	416.25	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	542.72	Rupees Five Hundred Forty Two and Seventy Two Paise Only
21	60.00	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregate	cum	5508.82	Rupees Five Thousand Five Hundred Eight and Eighty Two Paise Only
22	400.00	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(P.No.174, I.No.22.	Sqm	95.40	Rupees Ninety Five and Forty Paise Only
23	40.00	Providing groove cutting to concrete pavement for width of 5mm to 10mm and depth 80mm - 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant, etc., including cleaning of grove & providing sand and hot bit	Rmtr	121.90	Rupees One Hundred Twenty One and Ninety Paise Only

No corrections-Nil

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

206 (3)

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

Est: 75-00 L

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

Name of the work: Improvements to Road,Drain and Footpath in Kannuramma Main Road and abutting Cross Roads in Ward No.8, Kodigehalli

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	36.00	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
2	1144.93	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface	Cum	192.92	Rupees One Hundred Ninety Two and Ninety Two Paise Only
3	118.28	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum	5348.76	Rupees Five Thousand Three Hundred Forty Eight and Seventy Six Paise Only
4	20.95	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2	Sqm	244.86	Rupees Two Hundred Forty Four and Eighty Six Paise Only
5	150.84	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2	Sqm	310.58	Rupees Three Hundred Ten and Fifty Eight Paise Only
6	69.01	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams.	Cum	6231.74	Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only
7	299.00	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.258, I.No.37.59.2 of PW, P&IWTD SR 2016-175)	Cum	11032.48	Rupees Eleven Thousand Thirty Two and Forty Eight Paise Only

X10 & corrections - Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
8	17.64	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	Tonnes	59413.00	Rupees Fifty Nine Thousand Four Hundred Thirteen Only
9	694.80	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1698.00	Rupees One Thousand Six Hundred Ninety Eight Only
10	62.85	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	4764.00	Rupees Four Thousand Seven Hundred Sixty Four Only
11	10.53	Providing and fixing M S Grating	Sqm	6647.00	Rupees Six Thousand Six Hundred Forty Seven Only
12	788.70	KSRRB M2600-5.(iv) Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight complete as per specifications MORTH Specification No. 2605(P.No.243, I.No.31.5 of PW.P&IWTD S.R 2016-17)	Rmtr	24.38	Rupees Twenty Four and Thirty Eight Paise Only
13	6.00	Providing Rainwater harvesting pits for Drains	Sqm	21000.00	Rupees Twenty One Thousand Only

No Journations - xiii

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

213

5

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Est Cost: 95.00L

Issued to :

Original / Duplicate

Name of the work: Improvements to Road, Drain and Footpath along railway parallel road and cross road in Ward No.8, Kodigehalli.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	424.80	Removing and Resetting of Footpath Slab	Sqm	132.50	Rupees One Hundred Thirty Two and Fifty Paise Only
2	3802.80	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
3	1944.03	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification.	Cum	192.92	Rupees One Hundred Ninety Two and Ninety Two Paise Only
4	25.60	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	5348.76	Rupees Five Thousand Three Hundred Forty Eight and Seventy Six Paise Only
5	234.00	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick	Sqm	665.68	Rupees Six Hundred Sixty Five and Sixty Eight Paise Only
6	41.40	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications.	Cum	4438.22	Rupees Four Thousand Four Hundred Thirty Eight and Twenty Two Paise Only
7	88.00	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm	961.42	Rupees Nine Hundred Sixty One and Forty Two Paise Only
8	92.00	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	102.82	Rupees One Hundred Two and Eighty Two Paise Only
9	37.35	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	5767.46	Rupees Five Thousand Seven Hundred Sixty Seven and Forty Six Paise Only
10	37.80	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications.	Cum	208.82	Rupees Two Hundred Eight and Eighty Two Paise Only

No of corrections-Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
11	189.00	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.	Sqm	1150.10	Rupees One Thousand One Hundred Fifty and Ten Paise Only
12	763.20	Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	1698.00	Rupees One Thousand Six Hundred Ninety Eight Only
13	10.50	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	4764.00	Rupees Four Thousand Seven Hundred Sixty Four Only
14	504.00	Removing and Resetting of Kerb Stones	mtr	65.72	Rupees Sixty Five and Seventy Two Paise Only
15	1391.00	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete	Nos	331.78	Rupees Three Hundred Thirty One and Seventy Eight Paise Only
16	395.50	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	63.60	Rupees Sixty Three and Sixty Paise Only
17	14229.00	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	3.18	Rupees Three and Eighteen Paise Only
18	15519.40	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5	Sqm	11.66	Rupees Eleven and Sixty Six Paise Only
19	64.52	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification	Cum	6435.26	Rupees Six Thousand Four Hundred Thirty Five and Twenty Six Paise Only
20	569.16	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications.	Cum	7270.54	Rupees Seven Thousand Two Hundred Seventy and Fifty Four Paise Only

X10 ∫ corrections - Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
21	519.25	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	542.72	Rupees Five Hundred Forty Two and Seventy Two Paise Only
22	1246.20	KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000kg tested in accordance to specification of category A of MORTH Circular No RW/NH/33023/10-97-Do III Dt 11.06.1997. The Height, width and length shall no exceed 50mm, 100mm, and 102mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30 mm) from the body is to be a minimum vakue of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory	Nos	359.34	Rupees Three Hundred Fifty Nine and Thirty Four Paise Only
23	8.00	Manufacturing, Supply & Fixing of Retro- Reflection Road name sign board single Arrow size 1.98X0.9m size made out if wide angle cube corner micro prismatic grade sheeting confirming to IRC 67:2010 & type XI standards of ASTM D 4956-09 specifications and fixed over 2mm thick aluminium sheet back support frame of stainless stell supported by 30NB 1.2mm thick stainless steel pipe all around and 65NB 1.5mm thick pipe vertical post (AISI 202 Grade) firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 30cmx30cmx45cm etc.complete. The information message shal be made out of cut out letters in blue colour transparent overlay film as per IRC 67-2010 Guidelines, 7 years pre-qualification warranty for retro reflective sheeting from the original sheeting manufacturer and a certied copy of three years outdoor exposure report from an independent test lab for the product offered shall be submitted by the contractor. The sign board shall be Retro-Reflective Type XL	each	28250.00	Rupees Twenty Eight Thousand Two Hundred Fifty Only

No of corrections-Nil

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

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(11)

BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

Est Cost : 95.00L

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of the work: Improvements to Road,Drain and Footpath in LKR nagara main road and cross roads in ward No.8 Kodigehalli

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	555.75	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) (P.No.25, I.No.5.33 of PW, P&IWTD SR 2016-17)	Sqm	80.56	Rupees Eighty and Fifty Six Paise Only
2	1289.82	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3	Cum	192.92	Rupees One Hundred Ninety Two and Ninety Two Paise Only
3	96.80	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1. 4.2	Cum	5348.76	Rupees Five Thousand Three Hundred Forty Eight and Seventy Six Paise Only
4	7.25	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2	Sqm	244.86	Rupees Two Hundred Forty Four and Eighty Six Paise Only
5	52.20	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications: Specification No.KBS 4.6.2	Sqm	310.58	Rupees Three Hundred Ten and Fifty Eight Paise Only
6	42.97	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams.	Cum	6231.74	Rupees Six Thousand Two Hundred Thirty One and Seventy Four Paise Only
7	225.39	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. (P.No.258, I.No.37.59.2 of PW, P&IWTD SR 2016-175)	Cum	11032.48	Rupees Eleven Thousand Thirty Two and Forty Eight Paise Only

No corrections-Xli

E.E. (BTP. DIV)

Sl. No	Quantity.	Description	Unit	Rates	
				In Figures	In Words
8	12.20	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3.	Tonnes	59413.00	Rupees Fifty Nine Thousand Four Hundred Thirteen Only
9	1019.55	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick	Sqm	825.74	Rupees Eight Hundred Twenty Five and Seventy Four Paise Only
10	5067.00	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications, (only chamfered length shall be recorded) KBS 5.1.13 (P.No.24, I.No.5.22 of PW,P&IWTD SR 2016-17)	Rmtr	37.10	Rupees Thirty Seven and Ten Paise Only
11	1575.30	Providing One line dressing to granite stone slab/ granite stone masonry as per speciication (P.No.23, I.No.5.17 of PW,P&IWTD SR 2016-17)	Sqm	577.70	Rupees Five Hundred Seventy Seven and Seventy Paise Only
12	21.75	Providing and fixing **RCC Precast cover slab of 250mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	4764.00	Rupees Four Thousand Seven Hundred Sixty Four Only
13	9.72	Providing and fixing M S Grating	Sqm	6647.00	Rupees Six Thousand Six Hundred Forty Seven Only
14	697.00	KSRRB M2600-5.(iv) Providing and filling joint sealing compound as per drawings and technical specifications with coarse sand and 6 per cent bitumen by weight complete as per specifications MORTH Specification No. 2605(P.No.243, I.No.31.5 of PW,P&IWTD S.R 2016-17)	Rmtr	24.38	Rupees Twenty Four and Thirty Eight Paise Only
15	16.60	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301	Cum	154.76	Rupees One Hundred Fifty Four and Seventy Six Paise Only
16	16.60	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406	Cum	1768.08	Rupees One Thousand Seven Hundred Sixty Eight and Eight Paise Only
17	83.00	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502	Sqm	27.56	Rupees Twenty Seven and Fifty Six Paise Only
18	2992.00	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5	Sqm	3.18	Rupees Three and Eighteen Paise Only
19	6510.00	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5	Sqm	11.66	Rupees Eleven and Sixty Six Paise Only

No corrections Nil

E.E. (BP DIV)

Sl. No	Quantity.	Description	Unit	Rates	
				In Figures	In Words
20	162.75	KSRRB M500-16. Providing and laying dense bituminous macadam 50-75mm compacted thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507	Cum	6435.26	Rupees Six Thousand Four Hundred Thirty Five and Twenty Six Paise Only
21	130.20	KSRRB M500-19. Providing and laying bituminous concrete 40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509	Cum	7270.54	Rupees Seven Thousand Two Hundred Seventy and Fifty Four Paise Only
22	153.75	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	542.72	Rupees Five Hundred Forty Two and Seventy Two Paise Only
23	26.00	Providing Rainwater harvesting pits for Drains	Each	21000.00	Rupees Twenty One Thousand Only
24	210.00	KSRRB M800-35. Supply and Installation of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000kg tested in accordance to specification of category A of MORTH Circular No RW/NH/33023/10-97-Do III Dt 11.06.1997. The Height, width and length shall no exceed 50mm, 100mm, and 102mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19mm and height not less than 30 mm) from the body is to be a minimum vakue of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory	Nos	359.34	Rupees Three Hundred Fifty Nine and Thirty Four Paise Only

No Corrections-Nil

E.E. (STY. DIV)

Sl. No	Quantity.	Description	Unit	Rates	
				In Figures	In Words
25	2.00	Manufacturing, Supply & Fixing of Retro- Reflection Road name sign board single Arrow size 1.98X0.9m size made out if wide angle cube corner micro prismatic grade sheeting confirming to IRC 67:2010 & type XI standards of ASTM D 4956-09 specifications and fixed over 2mm thick aluminium sheet back support frame of stainless stell supported by 30NB 1.2mm thick stainless steel pipe all around and 65NB 1.5mm thick pipe vertical post (AISI 202 Grade) firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 30cmx30cmx45cm etc.complete. The information message shal be made out of cut out letters in blue colour transparent overlay film as per IRC 67-2010 Guidelines, 7 years pre-qualification warranty for retro reflective sheeting from the original sheeting manufacturer and a certied copy of three years outdoor exposure report from an independent test lab for the product offered shall be submitted by the contractor. The sign board shall be Retro-Reflective Type XL	each	28250.00	Rupees Twenty Eight Thousand Two Hundred Fifty Only

No corrections - Nil

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))